

MEETING NOTICE

G-12 Solid State Devices Committee Meeting 106 Organization

This meeting will be held in conjunction with JEDEC JC-13

Chairperson Mike Cooper

Date 18-21 September 2000

Place Columbus, OH Phone: +1 (614) 228-5050

+1 (800) 444-ADAM Adam's Mark

FAX: +1 (614) 228-2525 **50 North Third Street** Email: cro.amh@hbecorp.com Columbus, OH 43215

A block of sleeping rooms has been set aside for arrival on September 17, 2000

Normal Room Rates: \$126 Single & \$136 Double (excluding tax)

ROOM RESERVATIONS MUST BE RECEIVED NO LATER THAN AUGUST 24, 2000. PLEASE IDENTIFY YOURSELF WITH ELECTRONIC INDUSTRIES ALLIANCE WHEN MAKING YOUR RESERVATION.

A block of 10 rooms at the government rate have been reserved at the:

Holiday Inn City Center Phone: +1 (614) 221-3281

175 East Town Street +1 (800) 367-7870

Columbus, OH 43215 Fax: +1 (614) 221-5266 Email: smclm@lodgian.com

The room rate is \$76.00 single or double and the cut off date for reservations is

September 1, 2000. The block is being held under the name of JEDEC.

Registration

Fee

\$50.00 for G-12 members, G-12 guests, and government attendees to defray the cost of meeting rooms, audio-visual, and refreshments.

Make checks payable to "EIA" Not applicable to JEDEC Members

Meeting **Highlights** TECHNICAL FORUM...

British National Space Centre (BSNC) Radiation Handbook and Radiation Database (B. Hymers, BSNC)

Officer Elections

Schedule NOTE: G-12 members are free to attend any JC-13 point committee meeting.

MONDAY SEPTEMBER 18

G-12 TG G9806 DMS Best Practices 2:00pm to 3:00pm G-12 9901 Thermal Transient Imp & 3:00pm to 4:30pm Delta VF Rewrite G-12 TG G9701 Power Devices 4:30pm to 6:00pm 6:00pm to 8:00pm

G-12 TG G9705 PIND G-12 TG G9703 PEM Procurement 6:00pm to 8:00pm

TUESDAY SEPTEMBER 19

G-12 Committee Meeting 8:00am to 5:00pm G-12 TG G9401 Key Parameters 5:00pm to 7:00pm PEM Subcommittee 6:00pm to 9:00pm **WEDNESDAY SEPTEMBER 20** JC-13 / G-12 New Member Orientation

JC-13.2 / G-12 Committee Meeting G-12 TG G9905 PEM Radiation Issues (in conjunction with JC-13.4) JC-13.1 / G-12 Committee Meeting

Space Parts Subcommittee

THURSDAY SEPTEMBER 21 JC-13.5 / G-12 Committee Meeting G-12 Technical Forum

JC-13 / G-12 Meeting

1:00pm to 5:00pm 5:00pm to 7:00pm

1:00pm to 5:00pm

8:00am to 9:00am

9:00am to 12:00pm

11:00am to 12:00pm

8:00am to 10:00am 10:00am to 12:00pm

Presentations:

To be announced

SEND CONFIRMATIONS TO		"I will / will not attend G12 Meeting 106"
Mike Cooper General Dynamics Communication Systems MS 81-16 400 John Quincy Adams Rd Taunton, MA 02780-1069		Name:
		Company:
		Phone:
Voice: 508.880.40 Fax: 508.880.16 E-mail: <u>Mike.Coop</u>		E-mail:

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MEETING SCHEDULE

G-12 Solid State Devices Committee Meeting No. 106 Columbus, OH / September 18-21, 2000

REGISTRATION FEE

\$50.00 for G-12 members, G-12 guests, and government attendees to defray the cost of meeting rooms, audio-visual, and refreshments. Make checks payable to "EIA"

Not applicable to JEDEC Members

MEETING SCHEDULE

	TIME	LOCATION
MONDAY SEPTEMBER 18		
G-12 RF Subcommittee	1:00pm to 2:00pm	
G-12 TG G9806 DMS Best Practices	2:00pm to 3:00pm	
G-12 9901 Thermal Transient Imp & Delta VF	3:00pm to 4:30pm	
Rewrite		
G-12 TG G9701 Power Devices	4:30pm to 6:00pm	
G-12 TG G9705 PIND	6:00pm to 8:00pm	
G-12 TG G9703 PEM Procurement	6:00pm to 8:00pm	
TUESDAY SEPTEMBER 19		
G-12 Committee Meeting	8:00am to 5:00pm	
G-12 TG G9401 Key Parameters	5:00pm to 7:00pm	
PEM Subcommittee	6:00pm to 9:00pm	
WEDNESDAY SEPTEMBER 20		
JC-13 / G-12 New Member Orientation	8:00am to 9:00am	
JC-13.2 / G-12 Committee Meeting	9:00am to 12:00pm	
G-12 TG G9905 PEM Radiation Issues	11:00am to 12:00pm	
(in conjunction with JC-13.4) JC-13.1 / G-12 Committee Meeting	1:00pm to 5:00pm	
•		
Space Parts Subcommittee	5:00pm to 7:00pm	
THURSDAY SEPTEMBER 21		

G-12 Technical Forum:

G-12 Technical Forum

JC-13 / G-12 Meeting

JC-13.5 / G-12 Committee Meeting

British National Space Centre (BSNC) Radiation Handbook and Radiation Database
 B. Hymers, BSNC

8:00am to 10:00am

1:00pm to 5:00pm

10:00am to 12:00pm

Presentations:

To be announced



MEETING AGENDA

G-12 Solid State Devices Committee Meeting No. 106 Columbus, OH / September 18-21, 2000

1.	Call to Order / Introductions	M. Cooper
2.	Meeting Minutes Approval	M. Cooper
3.	Correspondence	M. Cooper
4.	Membership	J. Tarsa
5.	Agenda Review & Priorities	M. Cooper
6.	LIAISON REPORTS	·
6.1	DSCC-VAT / VQE - Discretes	A. Barone / T. Hood
6.2	JC 13.1 (Semiconductors)	D. Fields
6.3	DSCC-VAS - Microcircuits	R. Monnin / M. Poelking
6.4	DSCC-VQC - QML Program	M. Adams
6.5	JC 13.2 (Microcircuits)	B. Rhoton
6.6	Semiconductor Industry Assoc. Government Procurement Committee	B. Hagerty
6.7	DSCC-VAT / VQH - Hybrids / MCMs / PWBs	M. Jones / J. Schneider
6.8	JC-13.5 (Hybrids / MCMs)	R. Narasimhan
6.9	DSCC-VSC - Parts Support Management	W. Johnson
6.10	JC 13.4 (RHA & Characterization)	R. Brown / M. Maher
6.11	JC 11 (Mech Stds)	R. Krause
6.12	JC 14 (Q&R of Solid State Products)	N. Lycoudes
6.13	JC 22 (Diodes)	P. Haxton
6.14	Defense Microcircuit Planning Group (DMPG)	G. Saunders (DSPO)
6.15	Aerospace Corporation	J. I. Cotton / M. Cohen
6.16	NASA/JPL	A. Sharma / D. Peters
6.17	ITTRI Reliability Analysis Center (RAC)	J. Reilly / D. Dylis
6.18	Army	D. Locker
6.19	Navy	T. Davidson / R. Hone
6.20	Defense Microelectronics Activity (DMEA)	R. Shimazu
6.21	Government / Industry Data Exchange Program (GIDEP)	W. Pumford
6.22	European Space Agency (ESA/ESTEC)	J. Källberg
6.23	National Space Development Agency of Japan (NASDA)	S. Kuboyama
6.24	International Electrotechnical Commission	R. Thomas
6.25	Automotive Electronics Council	G. Servais
6.26	GEIA Systems, Standards & Technology Council	C. Denham



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6.27	British National Space Centre (BSNC) / Directorate of Standardization	on (DSTAN) R. Hymers
6.28	STACK International	J. Scalise
6.29	Defense Semiconductor Association (DSA)	T, Chakupurakal
6.30	G-11 Component Parts Committee	H. Livingston
6.31	G-12 Steering Committee	M. Cøoper
6.32	G-12 PEM Subcommittee	J. Tarsa
6.33	G-12 Space Parts Subcommittee	J. Knott
6.34	G-12 RF / μWave Subcommittee	J. Nirschl
6.35	G-12 Hybrid / MCM Subcommittee	R. Thomas
7.	G-12 TASK REPORTS	
7.1	STG94-01 MIL-PRF-19500, Key Parametric Control	J. Knott
7.2	STG95-04 RGA Issues (JC TG 97-02)	J. Knott
7.3	STG97-01 Discrete Power Devices Standardization	J. Knott
7.4	PTG97-03 Procurement of PEMs	B. Tawfellos
7.5	G97-05 PIND Test Study	C. Kaplan
7.6	G98-01 Life Test & Burn-In Criteria for Semis	To Be Assigned
7.7	G98-03 Design Guide for Satellite Parts	J. Knott / M. Porter
7.8	G99-01 Thermal Transient Imp & Delta V _F Rewrite	E. Sullivan
7.9	PTG99-03 PEM Guideline for Environment	J. Tarsa
7.10	PTG99-05 PEM Radiation Issues	W. Hubbell
7.11	G99-06 DMS Management Best Practices	H. Livingston
7.12	G99-07 SMT Device Test Method 2103 (CTE Mismatch)	V. Singleton
7.13	G99-08 Hybrid Resistance to Soldering Heat	W. Hubbell
7.14	G00-01 Glass Strain	J. Knott
7.15	PTG00-02 PEM Post Environmental Test Pass/Fail Criteria	J. Knott
7.16	PTG00-03 G12 Position on IEC/AWG PEM Specifications	F. Crull
7.17	PTG00-04 SSB-1 Tutorial	J. Tarsa / H. Livingston
7.18	PTG00-05 Coordinate PEM Testing with NWSC	J. Tarsa / J. Knott
8.	OLD BUSINESS	
9.	SOLID STATE SPECS AND STDS	
9.1	MIL-HDBK-983: Substitution List for Micros.	To Be Assigned
9.2	MIL-STD-750: Test Methods for Semis.	To Be Assigned



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9.3	MIL-HDBK-5961: List of Standard Semis.	K. Finney
9.4	MIL-STD-1835: Microcircuit Pkg. Outlines	V Singleton
9.5	MIL-HDBK-179: Microcircuit Application Handbook	S. Digan
9.6	MIL-HDBK-103: List of SMDs	F. Laracuente
10.	RELATED DOCUMENTS AND ISSUES	~ //~
10.1	MIL-HDBK-965 / MIL-HDBK-454	B. Tawfellos
10.2	DMS Strategies	B. Tawfellos
10.3	Electro Static Discharge Control Program	K. Finney
10.4	Solderability (IPC specs and related)	V. Singleton
10.5	VHDL Program Status	R. Froman
10.6	GaAs New Name	F. Crull
10.7	Solid State Devices in other FSC's	J. Knott
11.	NEW BUSINESS / PRESENTATIONS	M. Cooper
11.1	Presentations	
11.2	Future Meetings	
11.3	Officer Elections	
12.	CONCLUSION	